

PTO/SB/08A (04-03)

Substitute for form 1449/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

## **Complete if Known**

Application Number	10/643,961
Filing Date	August 20, 2003
First Named Inventor	Chun Ho FAN
Art Unit	2813
Examiner Name	
Attorney Docket Number	50626.53

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
nb	1	US-2001/0015492 A1	08/2001	Akram et al.	
nb	2	US 2002/0006718 A1	01/2002	Distefano	
nb	3	US-2002/0185734 A1	12/2002	Zhao et al.	
nb	4	2003/0034569 A1	02/2003	Caletka et al.	
nb	5	5,172,213	12/1992	Zimmerman	
nb	6	5,311,080	05/1994	Rostoker et al.	
nb	7	5,339,216	08/1994	Lin et al.	
nb	8	5,493,153	02/1996	Arikawa et al.	
nb	9	5,610,442	03/1997	Schneider et al.	
nb	10	5,639,694	06/1997	Diffenderfer et al.	
nb	11	5,650,663	07/1997	Parthasarathi	
nb	12	5,679,978	10/1997	Kawahara et al.	
nb	13	5,705,851	01/1998	Mostafazadeh et al.	
nb	14	5,986,885	11/1999	Wyland	
nb	15	6,236,588	05/2001	Lai et al.	
nb	16	6,251,706	08/2001	Paniccia	
nb	17	6,323,066	11/2001	Lai et al.	
nb	18	6,414,385	07/2002	Huang et al.	
nb	19	6,462,405	10/2002	Lai et al.	
nb	20	6,525,421	10/2002	Chia et al.	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code-Number-Kind Code (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7

Examiner Signature	<i>Jenna Bay</i>	Date Considered	11-4-04
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>1</sup> Applicant unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \* Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

PTO/SB/08A (04-03)

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary) Sheet <u>2</u> of <u>2</u>		<b>Complete if Known</b>	
		Application Number	10/643,961
		Filing Date	August 20, 2003
		First Named Inventor	Chun Ho FAN
		Art Unit	2812
		Examiner Name	
		Attorney Docket Number	50626.53

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
NB	21	U.S. Patent Application Serial No. 10/647,696, Mohan KIRLOSKAR et al., "IMPROVED BALL GRID ARRAY PACKAGE AND PROCESS FOR MANUFACTURING SAME", filing date: August 25, 2003.	
NB	22	U.S. Patent Application Serial No. 10/323,657, Chun Ho FAN et al., "PROCESS FOR MANUFACTURING BALL GRID ARRAY PACKAGE", filing date: December 20, 2002.	
NB	23	U.S. Patent Application Serial No. 10/372,421, Joseph Andrew MARTIN et al., "IMPROVED BALL GRID ARRAY PACKAGE", filing date: February 24, 2003.	
NB	24	U.S. Patent Application Serial No. 10/197,832, Joseph Andrew Martin et al., "IMPROVED BALL GRID ARRAY PACKAGE", filing date July 19, 2002.	

Examiner Signature	<i>Dina Bey</i>	Date Considered	11-4-04
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	Application Number	10/643,961	
	Filing Date	August 20, 2003	
	First Named Inventor	Chun Ho FAN	
	Art Unit	2813	
	Examiner Name	N. BEREZNY	
	Attorney Docket Number	50826.53	
Sheet	1	of	1

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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**Complete If Known**

<b>Application Number</b>	<b>10/643,961</b>
<b>Filing Date</b>	<b>August 20, 2003</b>
<b>First Named Inventor</b>	<b>Chun Ho FAN</b>
<b>Art Unit</b>	<b>2813</b>
<b>Examiner Name</b>	<b>N. BEREZNY</b>
<b>Attorney Docket Number</b>	<b>50826.53</b>

<b>Filing Date</b>	<b>August 20, 2003</b>
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First Named Inventor	Chun Ho FAN
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Art Unit	2813
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Examiner Name	N. BEREZNY
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Attorney Docket Number	50826.53
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>Nema Ben</i>	Date Considered	11-4-04
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2. Applicant unique citation designation number (optional). <sup>3</sup> See Kind Codes of USPTO Patent documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

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STATEMENT BY APPLICANT**

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.†	Document Number Number-Kind Code 2(if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NB	1	6,631,078	10/2003	ALCOE et al.	—
NB	2	6,037,658	03/2000	BRODSKY et al.	—
NB	3	2002/0005578	01/2002	KODAMA et al.	—

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.†	Foreign Patent Document Country Code*Number-Kind Code 4(if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
NB	4	DE 100 15 962 (full English translation)	10/2001	GERMANY		

Examiner  
Signature

Denna Bayo

Date  
Considered

11-4-04

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